

Figure 1A

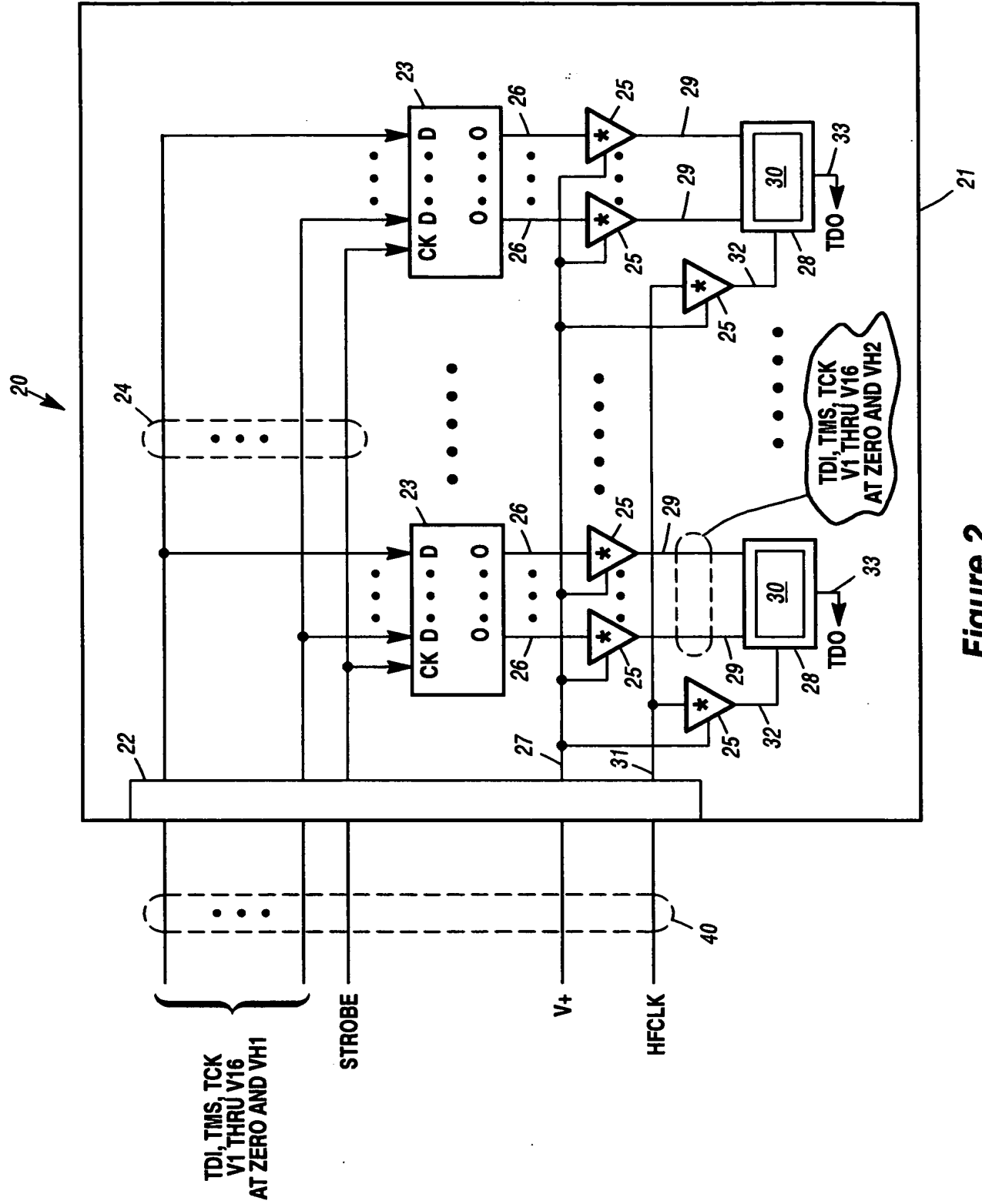


Figure 2

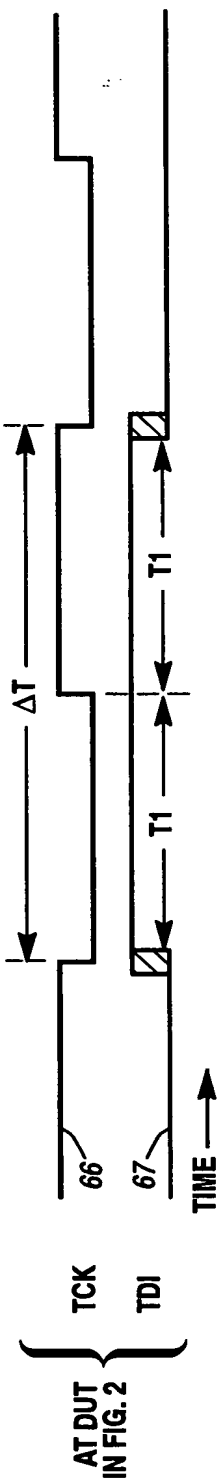
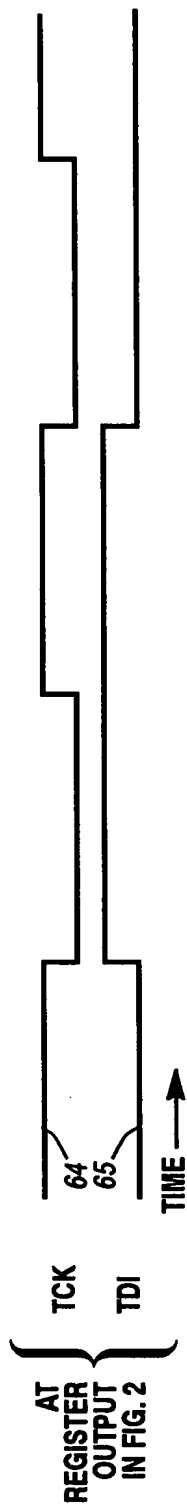
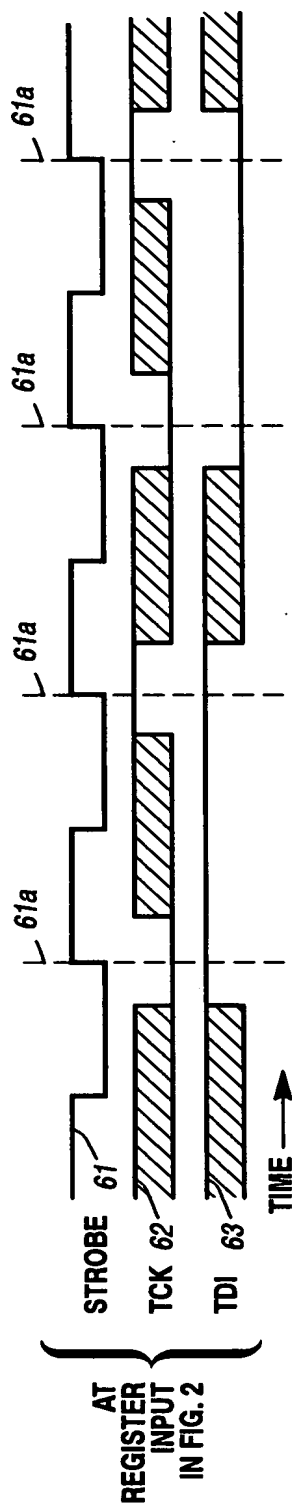


Figure 4A

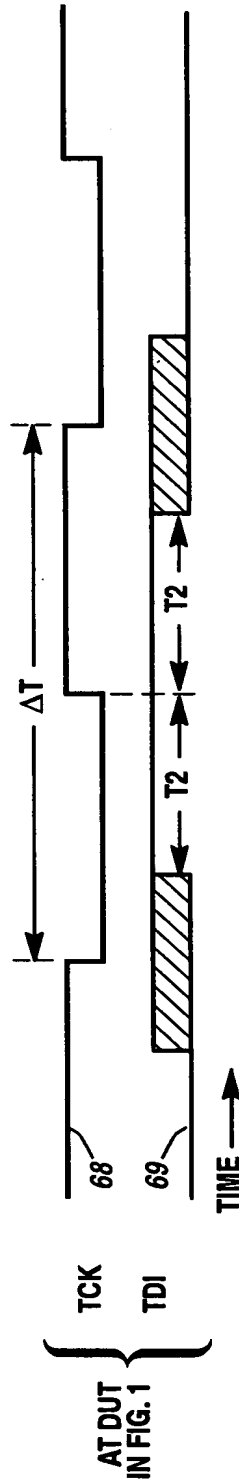


Figure 4B

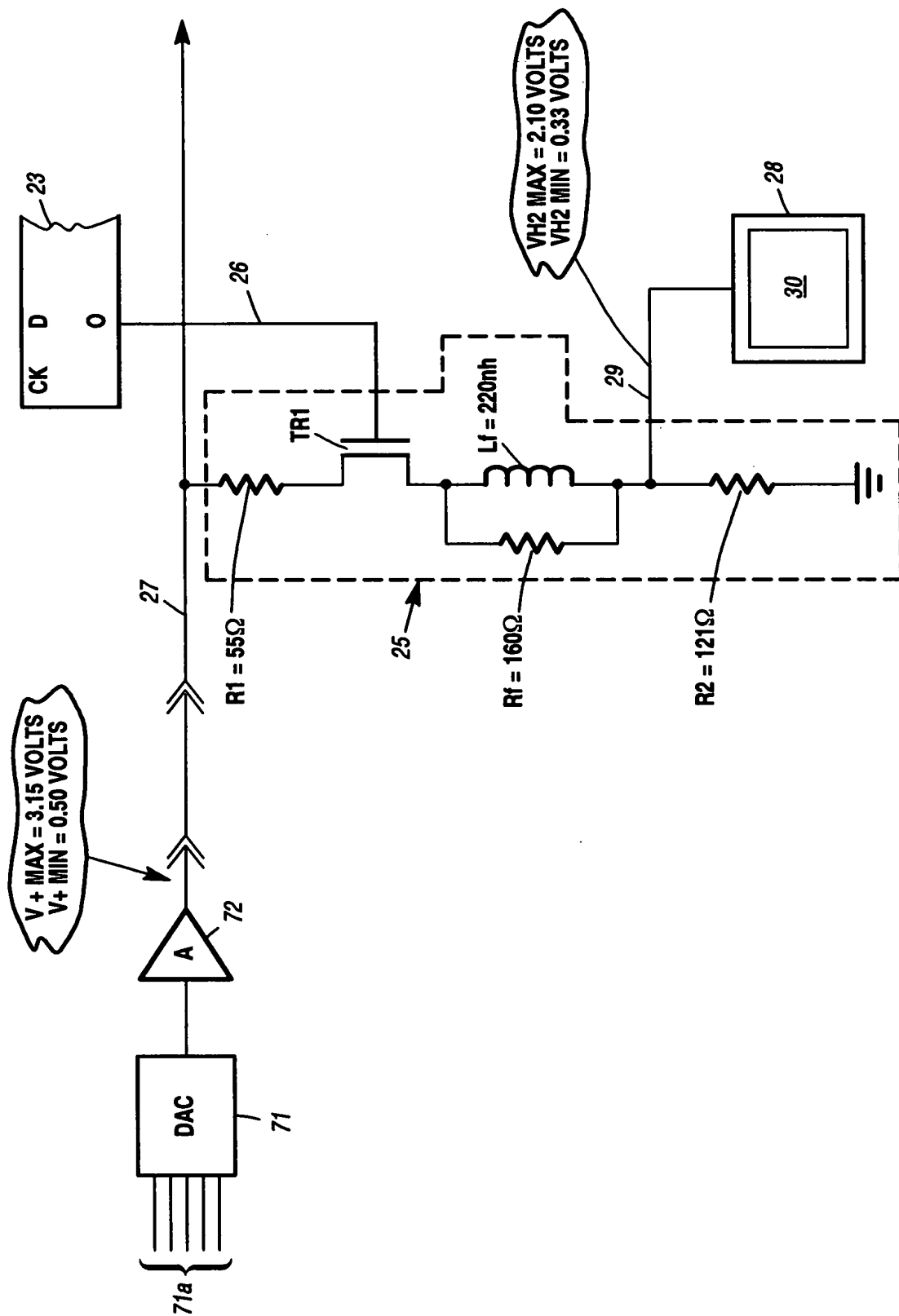


Figure 5

Eq. 1 \sim MAX POWER = (MAX CURRENT)²(55 + R - ON + 121)

Eq. 2 \sim MAX CURRENT = $\frac{3.15}{55 + R - ON + 121}$

Eq. 3 \sim R - ON = $4.5\Omega \pm 50\%$

Eq. 4 \sim MAX CURRENT = $\frac{3.15}{55 + 2.25 + 121} = 17.6 \text{ ma}$

Eq. 5 \sim MAX POWER = $(17.6 \text{ ma})^2 (55 + 2.25 + 127) = 55.6 \text{ mw}$

**Eq. 6 \sim Compare: EDGE 692
MIN POWER PER CHIP = 1.5 WATTS
MAX POWER PER CHIP = 3.0 WATTS
TWO TRANSLATORS PER CHIP**

Eq. 7 \sim 0.055 WATTS MAX VS 1.50 WATTS MAX

Eq. 8 \sim 0.000 WATTS MIN VS 0.75 WATTS MIN

Eq. 9 \sim 0.027 WATTS AVE VS 1.12 WATTS AVE

Figure 6

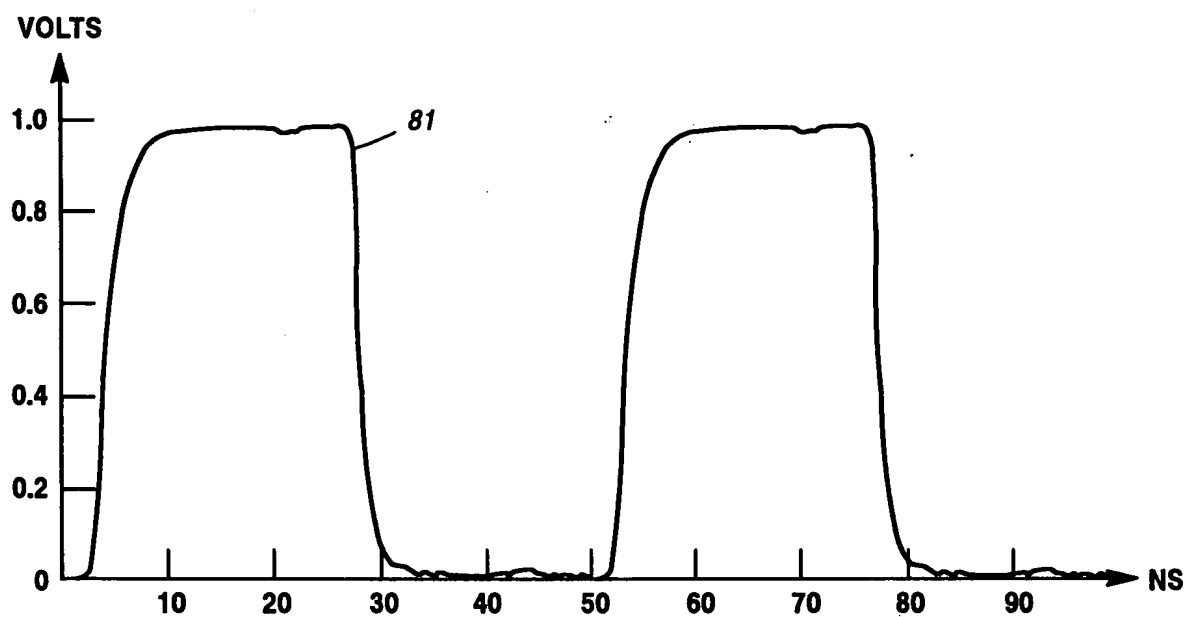


Figure 7A

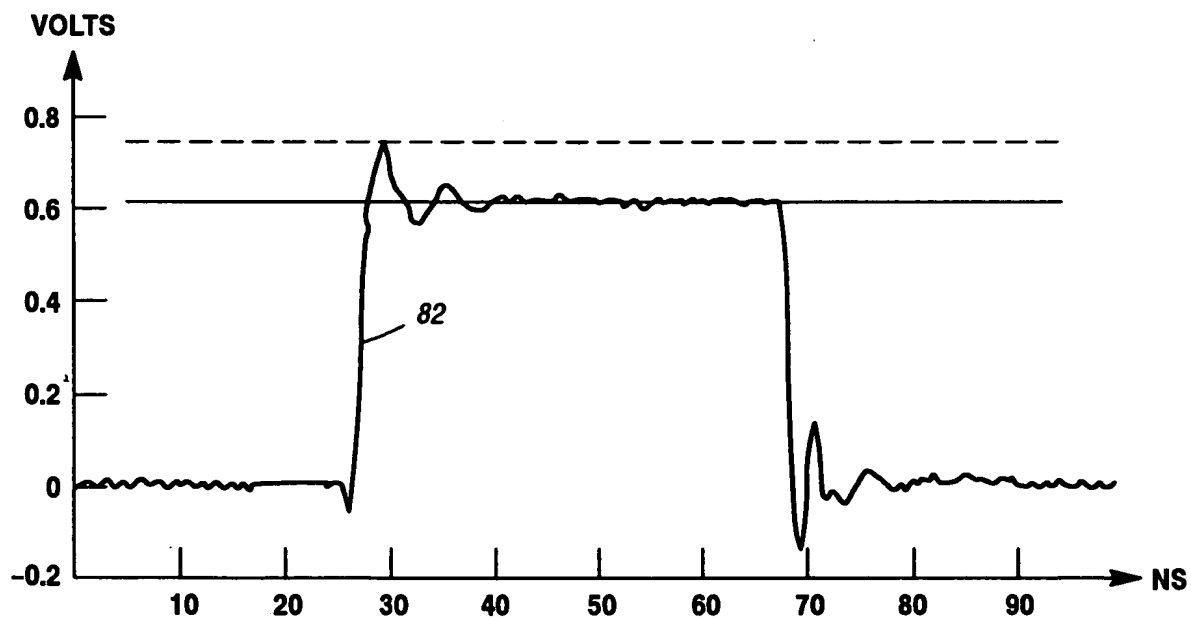


Figure 7B

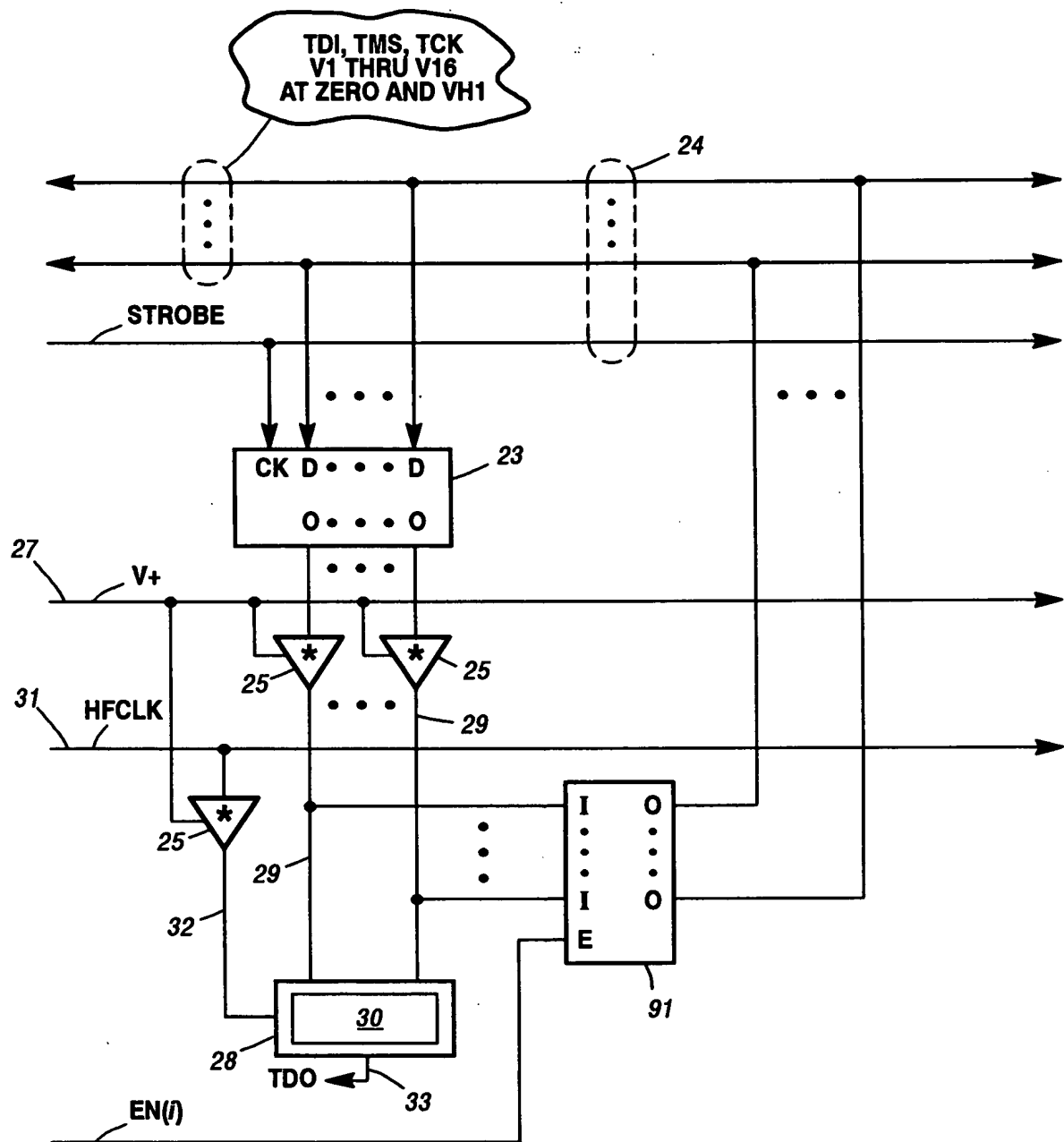


Figure 8



Figure 9



Figure 10